

Technical leaflet

EGGER Laminate Structure ST9 – Smoothtouch Matt



The surface structure ST9 Smoothtouch Matt is a matt surface with a low gloss level of approx. 7 units, determined at 60° measuring angle of light according to ISO 2813. The resulting distinctive feel, give a very natural look to laminate decors. In conjunction with medium to dark uni and print decors, however, it should be noted that traces of use are more visible than with light decors. This effect occurs equally on light decors, but is much more noticeable on dark decors. The same effect is experienced on high gloss surfaces. Whilst these marks do not adversely affect the quality of the surface, they can be perceived as an aesthetic impairment in terms of the overall visual effect. It is therefore important that design concepts for worktops, furniture or interior fittings, incorporating surface texture ST9 Smoothtouch Matt, bear this proprietary characteristic in mind and that the intended application of the end product is chosen accordingly. Essentially, the surface properties of EGGER laminates comply with the high EGGER quality standard as well as current applicable Standards and legislation.

EGGER laminates are tested for all relevant quality requirements in accordance with ISO 4586-2. The EGGER structure ST9 Smoothtouch Matt meets the requirements of ISO 4586 described below and is therefore suitable for vertical and horizontal applications. The relevant test for the determination of scratch resistance of surfaces is ISO 4586-2 and is performed in accordance with procedure 29. In ISO 4586-3, the scratch resistance is classified by the third index number and the relevant requirements are described as follows:

- **Index Number 3 – high scratch resistance**

Described in ISO 4586 as HGP (Horizontal general-purpose postforming). Examples of typical applications are: kitchen worktops and office work surfaces, restaurant and hotel tables, doors and wall claddings in public areas, interior walls of public transport vehicles. In turn, index number 3 indicates that the scratch resistance must reach rating level 3.

A rating scale is used to determine the scratch resistance rating. For a better understanding, please refer to the ISO 4586 rating scale below.

Rating Scale	Discontinuous scratches, or faint superficial marks, no visible marks	≥ 90 % continuous double circle of scratch marks clearly visible
Rating 5	1.489 lbf (6 N)	> 1.489 lbf (6 N)
Rating 4	0.899 lbf (4 N)	1.489 lbf (6 N)
Rating 3	0.450 lbf (2 N)	0.899 lbf (4 N)
Rating 2	0.225 lbf (1 N)	0.450 lbf (2 N)
Rating 1	-	0.225 lbf (1 N)

Provisional note:

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